

Title (en)
MICROBIAL BIOCEMENTATION

Title (de)
MIKROBIELLE BIOZEMENTIERUNG

Title (fr)
BIOCEMENTATION MICROBIENNE

Publication
EP 1838642 A1 20071003 (EN)

Application
EP 05818565 A 20051220

Priority
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Abstract (en)
[origin: WO2006066326A1] A method of forming a high strength cement in a permeable starting material, the method comprising the step of combining the starting material with effective amounts of (i) a urease producing micro-organism; (ii) urea; and (iii) calcium ions and wherein the effective amount of the urease producing organism provides a urea hydrolysis rate, under standard conditions, of 0.5-50 mM urea hydrolysed.min⁻¹.

IPC 8 full level
C04B 24/00 (2006.01); **C04B 28/10** (2006.01); **C09K 17/00** (2006.01); **C04B 111/00** (2006.01); **C04B 111/72** (2006.01)

CPC (source: EP KR US)
C04B 24/00 (2013.01 - EP KR US); **C04B 28/10** (2013.01 - EP US); **C09K 17/00** (2013.01 - EP US); **C04B 2111/00663** (2013.01 - EP US); **C04B 2111/00732** (2013.01 - EP US); **C04B 2111/00793** (2013.01 - EP US); **C04B 2111/72** (2013.01 - EP US); **Y02W 30/91** (2015.05 - EP US)

Citation (third parties)
Third party :
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